

IN THE CLAIMS

Claims 1-11 (cancelled)

12. (currently amended) An electronic device for performing at least one function, said electronic device comprising:

a register having a region for storing a current consumption value indicating a ~~requested~~ current that is to be drawn by said electronic device from a main unit during execution of the at least one function, and

an interface configured for electrical connection to the main unit for outputting the current consumption value from said register for delivery to the main unit and for receiving a driving current based on the current consumption value from the main unit when the current consumption value does not exceed a maximum driving current for the main unit.

13. (previously presented) An electronic device according to Claim 12, wherein said register includes a further region for storing permission information received from the main unit, the permission information indicating whether said electronic device is allowed to receive the driving current based on whether the current consumption value does not exceed the maximum driving current.

14. (previously presented) An electronic device according to Claim 13, wherein said register includes a still further region for storing function enablement information indicating whether the at least one function is enabled or disabled, the function enablement information being set based on the permission information.

15. (previously presented) An electronic device according to Claim 14, wherein said interface outputs the function enablement information from said register for delivery to the main unit.

16. (previously presented) An electronic device according to Claim 12, wherein said interface includes a plurality of contacts for establishing the electrical connection with the main unit, one of said plurality of contacts being used only when the at least one function is executed, said one contact being maintained at a high impedance until the at least one function is enabled.

17. (previously presented) An electronic device according to Claim 12, further comprising a memory for storing a version number, wherein said interface outputs the version number from said memory for delivery to the main unit when said electronic device is connected to the main unit and receives the current consumption value from the main unit.

18. (currently amended) A unit configured for connection to an electronic device, said unit comprising:

a first reader for reading a current consumption value from a register in the electronic device, the current consumption value indicating a ~~requested-current~~ that is to be drawn by the electronic device from a supply unit of said unit during execution of at least one function of the electronic device;

said supply unit for supplying a driving current based on the current consumption value to the electronic device when the current consumption value does not exceed a maximum driving ~~current-value~~.

19. (previously presented) A unit according to Claim 18, further comprising a writing unit for writing permission information in the register of the electronic device, the permission information indicating whether the driving current is allowed to be supplied to the electronic device based on whether the current consumption value does not exceed the maximum driving current.

20. (previously presented) A unit according to Claim 18, further comprising a second reader for reading enablement information from the register of the electronic device, the enablement information indicating whether the at least one function is enabled or disabled.

21. (previously presented) A unit according to Claim 18, further comprising a writing unit for writing the current consumption value in the register of the electronic device based on a version number received from the electronic device when the electronic device is connected.

22. (currently amended) A system, comprising:

a main unit; and

an electronic device for performing at least one function, said electronic device including:

a register having a region for storing a current consumption value indicating a ~~requested-current~~ that is to be drawn by said electronic device from said main unit during execution of the at least one function, and

an interface configured for connection to the main unit for outputting the current consumption value from said register for delivery to said main unit;

said main unit including:

a first reader for reading the current consumption value from said register, and

a supply unit for supplying a driving current based on the current consumption value to said electronic device when the current consumption value does not exceed a maximum driving current ~~value~~ for said main unit.

23. (previously presented) A system according to Claim 22, wherein

said main unit includes a writing unit for writing permission information in said register, the permission information indicating whether the driving current is allowed to

be supplied to said electronic device based on whether the current consumption value does not exceed the maximum driving current; and

said register includes a further region for storing the permission information.

24. (previously presented) A system according to Claim 23, wherein

said register includes a still further region for storing enablement information indicative of whether the at least one function is enabled or disabled, the enablement information being set based on the permission information; and

said main unit includes a second reader for reading the enablement information from said still further region of said register.

25. (previously presented) A system according to Claim 22, wherein

said electronic device includes a memory for storing a version number, said interface outputs the version number from said memory for delivery to said main unit when said electronic device is connected to said main unit; and

said main unit includes a writing unit for writing the current consumption value in said region of said register of said electronic device based on the version number.

26. (currently amended) An electronic device according to claim 12, wherein the current consumption value stored by said register indicates the ~~requested~~ current that is to be drawn by said electronic device from the main unit during execution of a plurality of functions, and when the current consumption value exceeds the maximum driving current, said interface receives a driving current that is smaller than the requested current for carrying out only some of the plurality of functions.

27. (currently amended) A unit according to claim 18, wherein the current consumption value read by said first reader indicates the ~~requested~~ current that is to be drawn by the electronic device from said supply unit during execution of a plurality of functions, and when the current consumption value exceeds the maximum driving current, said supply unit supplies the electronic device with a driving current that is smaller than the requested current for carrying out only some of the plurality of functions.

28. (currently amended) A system according to claim 22, wherein the current consumption value read by said register of said electronic device indicates the ~~requested~~ current that is to be drawn by said electronic device from said main unit during execution of a plurality of functions, and when the current consumption value exceeds the maximum driving current, said supply unit of said main unit supplies said electronic device with a driving current that is smaller than the requested current for carrying out only some of the plurality of functions.